

Title (en)

NEW PROCESS FOR THE PRODUCTION OF CEPHALOSPORINES AND NOVEL INTERMEDIATES IN THIS PROCESS

Publication

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Application

EP 92103666 A 19920304

Priority

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- AT 101891 A 19910517

Abstract (en)

[origin: EP0503453A2] The invention relates to a new, economical and simple process for the production of 3-vinylcephalosporin compounds of formula <CHEM> wherein R1 and R2 may be the same or different and denote hydrogen or an organic radical.

IPC 1-7

C07D 501/18; C07D 501/22; C07D 501/24

IPC 8 full level

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CPC (source: EP US)

A61P 31/04 (2017.12 - EP); **C07D 501/00** (2013.01 - EP US)

Citation (search report)

- [A] GB 2173798 A 19861022 - BRISTOL MYERS CO
- [AD] US 4110534 A 19780829 - CLARK JOHN COLIN, et al
- [AD] US 4705851 A 19871110 - TAKAYA TAKAO [JP], et al
- [AP] EP 0421219 A2 19910410 - BAYER AG [DE]

Cited by

EP1678186A4; KR100441901B1; EP1029864A1; US6248881B1; EP0658558A1; US5616703A; CN1050843C; US5869648A; US6136967A; EP1103555A1; US7544797B2; US6333409B1; US6414140B2; US5856474A; US6034237A; US6063917A; US6093813A; EP1340762A1; CN1092662C; EP0597429A3; AT400436B; WO9316084A1; WO9707121A1; WO9529182A1; US6284888B1; US6835829B2; US6583133B1; US6235897B1

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